

ABSTRACT OF THE INVENTION

An embodiment of the invention provides a method and system for managing and analyzing information obtained from differential expression of genetic information in biological cells. Crisp input data are received from sets of expression data from control and treatment cell-derived samples representing a direction and a magnitude of regulation of each one of a higher number of different genes or proteins. The crisp input data are fuzzified to provide fuzzified values. A set of heuristic rules is applied to the fuzzified values to generate a predicted value of a data point C. The predicted value of the data point C is defuzzified. Finally, a confidence level of the predicted value of C is determined.